M. A. R. 57 (Rule 116)
Measurement Book

No. B 209234

Serial No. 1st and final Bill

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency ... Executive Engineer, KRIDL

Date of commencement of work ... Date of Recording:-

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work: Improvements to Roads and Drains at Rajaveranna colony and surrounding area in ward No. 11 Kurnpunggeya.						
	Est cost Rs: 99.00 lakhs.						
	ADD Number: 011-20-00007						
	Work order No: BBMP/EE/BTP/WO/1170/2019-20 Dt: 28/11/19						
	Head of A/C: P 3797 SC-SP/TSP						
	MB: Earthwork excavation by manual means for roads, drains and similar works in ordinary soil excavated surface levelled and sides neatly dressed. The disposed earth to be levelled neatly after breaking of clods complete as per specifications MORTH Chapter 5 complete as per						

Reference to last Measurement 8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Specifications and directions of the Engineer in charge						
	Qnty wide in E-MB = 748.80 Rm						
	@ 207.60/ Rm					=	155451.00
Item ④	Removing and refixing stone slabs of drains and pointing in cm C(1:3) complete as per specifications and directions of the Engineer incharge						
	Qnty wide in E-MB P.No 2 1149.70 Sqm						
	@ 113.30/Sqm					=	130196.00
Item ⑤	Providing granite slabs of selected quality roughly crushed having a size of 7.5cms thick and fitted in cement mortar (1:6) including						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of wo
1	2
	fixing curing etc.
Item ⑤	providing and laying (with hammer) and above and fine aggregate

Reference to last Measurement
8
155451.00
in cm (1:3)
giner incharges
70 sqm
= 129960.00
d having a
b) "Manually

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Measurement Book

No. B 209235

Serial No. ....

Name of Work .... From................................ To...................................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	fixing curing etc.. complete						
		Qty made in E MB P. No:				1154.30 sqm	
				@ 742.00		sqm =	856491.00
(11)	providing and laying in position plain cement concrete of mix 1:4:8 with opc @150kg with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed concrete laid in layers						
		Qty made in E MB P. No:				57.60 cum	
				@ 5408.18		/cum	= 311508.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item (5)	providing and constructing load bearing wall with solid concrete blocks density not less than 1800 kg/m3 having a minimum average compressive strength of 4000 N/mm2 conforming to IS 6185 (part 1) : 2005 and constructed with cm 1:4						
						Quty wide in EMB = 1928.00 sqm	
						@ 1019.70/sqm = 1966020.00	
Item (6)	providing and laying in position plain cement concrete of m/x 1:2:4 with opc @ 380 kg, with 20mm and down size graded granite metal coarse aggregate @ 0.678 cum and fine aggregate @ 0.33 cum in layer						
						Quty wide in EMB = ~~0.678 cum~~ 84.66 cum	
						@ 5747.30/cum = 486715.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(4)	providing and laying in @ 380 kg. with 40m aggregate @ 0.89 m3 of concrete ce
(5)	providing and laying pl made nominal with size granite me

Reference to last Measurement 8
e Blocks
ge comprising
005 and
um)
96602D.00
8:4 with opc
l coarse
ncrete laid
4.85 cum)
= 48774.00

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No. B 209236

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	providing and laying in position plain cement concrete of mix 1:3:6 with opc @ 300 kgs. with 40mm and down size graded granite metal coarse aggregate @ 0.89 cum and fine aggregate @ 0.46 cum machine mixed concrete laid in layer,						
	Quantity vide in EMB = 6.48 cum						
	@ 5505.64/cum =						35677.00
	providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with opc at 300 kgs with 40mm and down size granite metal coarse aggregate at 0.69 cum well compacted wall						
	Quantity vide in EMB = 96.14 cum						
	@ 9070.90/cum						= 18481 5.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item (9)	Providing T.M.T bars FE 500 Steel reinforcement of R.C.C work including straightening, cutting, bending, hooking, placing in position lapping and tying wherever required, tying with binding wire and anchoring to the adjoining member.						
	Supply where in EMB P.NO: 9.35 Tonne @ 72326.98/Tonne = 169968.00						
Item (10)	Providing and Fixing pre cast covering slab made out of C.C 1:2:4 with locking nicks and finishing cutting, including formwork, including cost of all materials, labour, etc						
	Supply where in EMB P.NO :- 420 M²/Sqm @ 2337.00/Sqm = 9814915.00						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(9)	providing and fixing pre of C.C 1:2:4 with top high and HSD bar in
(10)	Painting two coats Paint in approved with materials lab

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Serial No. .....
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Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	Providing and fixing pre-cast radial cement concrete of cc 1:2:4 with top and bottom width 11" and 16" soon respectively. 11" soon high and 450mm in length finished with cm 1:3 plastering and finishing neatly moulded in SMB P.No 398/4 NOS @ 438.48/NOS					Kerb stones made out = 1099123.00	
(12)	painting two coats after filling the surface with synthetic enamel Paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications						

Reference to last Measurement
8

- work
ng in positi
on binding

tonne
169968.00

c.c 1:2:4
TQ. including

98/sqm
9814915.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Supply, laying in ENB P.No = 576.00 Sqm @ 84.50/Sqm					=	48672.00
					Total	=	3388643.00
	Add 4% Service charge to KRIDL					=	335546.00
	Add 18% GST charges					=	1006637.00
					Grand Total	=	9730826.00
	CERTIFICATE :- certified that the above work is done satisfactory and no material issued for the same departmentally						

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2